

1.NUMBER: EXPPCS-00-005	2.PCN: PB20294	MSFC ENGINEERING CHANGE REQUEST (ECR) (See Instructions-MSFC Form 2327-2)	3.DATE: 3/23/01	4. PAGE: 2 of 3
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MGUEEXPRSPCSA003

Station Tools, Step 1.3, 4.5 – Changed the word “Flash Light” to “Flashlight”. This is the correct OpNom.
Move step 1.28 & 1.29 to become steps 1.7 & 1.8 respectively. The consolidation of steps forced move.
Delete steps 1.7 through 1.27 and steps 1.30 through 1.38. Replace with new steps developed, 1.9 & 1.10.
for disconnecting hoses.

Step 2.11, 3.12 – Exchange word “Engage” for “Replace”. Also add the correct OpNom description for the Torque Driver and Extension used in both steps.

Delete steps 4.1 through 4.9 and steps 4.11 through 4.28. Replace with new steps developed 4.1 & 4.2 for disconnecting hoses. Simplification of steps decided through crew training.

Move step 4.10 to become 4.3. The consolidation of steps forced move.

Add starry box after step 4.3. Needed information.

Step 4.3 – Moved note box into proper place, prior to EXPRESS procedure.

Step 4.4 – Added EXPRESS display box prior to step 4.4. Display box was missing.

Step 1.4 – Add colon after word ‘stow’. Move Vacuum Cleaner to the next line.

MGUEEXPPCSM002

Station Tools – Changed the word “Flash Light” to “Flashlight”. This is the correct OpNom.

Delete step 1.1. Inserted steps 1-3 of EXPPCS Acoustic Closeout Cover Removal instead of link renumber last step. Add temp stow statement to step 1.3.

MGUEEXPPCSN001

Station Tools, step 2, 14, 19 – – Changed the word “Flash Light” to “Flashlight”. This is the correct OpNom.

Add space between step 11 & step 12.

MGUEEXPPCSN002

Step 2 – Add the words “torquing to 23 plus/minus in/lbs, then.” Clarification is needed for this step.

Delete #8 from the note box in step 1.5.

Delete steps 1.6 through 1.62 and replace with consolidated procedure step, renumber remaining steps.

Step 2 – Add correct torquing information of 15 in/lbs.

Steps 4.14 – 4.15 – Add starry box concerning water hose leakage instruction.

MGUEEXPPCSN003

Station Tools, step 2.1, 2.6, 2.12 - Changed the word “Flash Light” to “Flashlight”. This is the correct OpNom.

Move the note box in step 2.6 to just prior to step 2.5. This is the correct placement of the note box.

Delete note #1, renumber steps. The new note #1 will be – ‘The sensor flow for EXPPCS = F3’

Step 2.8, 2.11, 3.4 – Add display box around ‘Locker/Drawer Power’.

MGUEEXPPCSN005

Step 1.4 – Add word “continue” at the end of the sentence.

Consolidate steps 1.5 & 1.6.

Consolidate steps 4.1 & 4.2.

Correct the location callout in step 3.7 to be EXPPCS-AVUD.

MGUEEXPPCSN006

Station Tools, step 1.3, 3.2, 3.6, 3.9 - Changed the word “Flash Light” to “Flashlight”. This is the correct OpNom.

Station Tools, step 1.3, 2.2, 3.9 – Change Ratchet callout to be 1/4” Drive instead of 3/8” Drive.

Step 2.6 – Insert correct tool callout of (5-35 in/lbs) Trq Driver, 1/4” Drive and 28” Long, 3/16” Hex Head, 1/4” Hex Driver .

Added step number to tether, Tmptry stow Vacuum Cleaner and renumber steps.

Consolidate steps 1.9, 1.10 and renumber remaining steps.
Add starry box concerning water hose leakage to step 3.2.
Consolidate steps 3.3 through 3.22 and renumber remaining steps.
Move note box concerning the sensor flow to just before step 3.5. Delete note #1, renumber steps. The new note #1 will be – ‘The sensor flow for EXPPCS = F3’.
Station Tools, steps 1.3, 2.6, 3.9 – Delete reference of “(20-200 in/lbs) Trq Wrench, 3/8” Drive”. Replace with “(5-35 in/lbs) Torque Driver, 1/4” Drive”.

MGUEEXPPCSN007

Step 3.1, 3.12, 4.10 - Changed the word “Flash Light” to “Flashlight”. This is the correct OpNom.
Note 2.9 - #8; Remove reference to steps 2.10 through 2.45
Consolidate steps 2.15 through 2.46 and renumber remaining steps.
Station Tools – Add Ratchet, 1/4” Drive, Mag Light Flashlight
Step 2.1 - Delete reference to ESD Bags.
Step 3.12 – Add Ratchet, 1/4” Drive to this step.
Step 4.4, 4.6 – Specify Torque Wrench to be (30-200 in/lbs) Trq Wrench, 3/8” Drive.
Step 4.7 – Specify 28” Long, 3/16” Hex Head, 1/4” Hex Driver, Ratchet, 1/4”. Correct OpNom.

SGUEEXPRSPCSSH001

Change Filename and step reference to PCS-HR-005, 6.3.1 Change to: MGUEEXPRSPCSN002.
Update Procedural Hazard Control List to reflect updates to procedures.

MGUEEXPRSPCSLF001

Update Links Template

MGUEEXPRSPCSFL001

Update File List

MGUEEXPRSPCSR018

Identify Inlet and Outlet ports on Reference Figure 18.